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United States Patent [19]
Chang[11] **Patent Number:** **5,897,307**[45] **Date of Patent:** **Apr. 27, 1999**[54] **DISPOSABLE LIGHTER HAVING A SAFETY
FUNCTION OF PREVENTING UNWANTED
IGNITION**

5,788,474 8/1998 Chung et al. 431/277

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Y. Chan[21] **Appl. No.:** **08/881,848**[22] **Filed:** **Jun. 24, 1997**[51] **Int. Cl.⁶** **F23D 11/36**[52] **U.S. Cl.** **431/153; 431/273; 431/277**[58] **Field of Search** **431/277, 153,
431/274, 276, 255, 271**[56] **References Cited****U.S. PATENT DOCUMENTS**

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[57] **ABSTRACT**

A disposable lighter having a safety function for preventing unwanted ignition, which eliminates the two driving wheels provided in conventional gas lighter and renders a radius of a striking wheel approximately equal to a curved corner formed at a top end corner of each wing portion of a wind shield so as to sidewardly cover the striking wheel. Therefore, the disposable lighter may only be ignited by the user's thumb on purpose that can prevent the striking wheel from being rubbed with any object to accidentally ignite. Moreover, an underage kid is also unable to ignite the disposable lighter without any adult supervision by preventing the striking wheel be stuck by a minor's thumb.

12 Claims, 6 Drawing Sheets